

**CUSTOMER NUMBER: 23608**

FORM PTO-1082

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Case Docket No.: PF01104 US

Date: October 22, 2003

Express Mail Label No. EV 038544007 US

Dear Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): **SHELDON B. MOBERG; and IAN B. HANSON**

For: **METHOD AND APPARATUS FOR DETECTING ERRORS, FLUID PRESSURE, AND  
OCCLUSIONS IN AN AMBULATORY INFUSION PUMP**

Enclosed are:

- ☒ 56 page(s) application including cover sheet, 31 claims, and 1 page abstract;
- ☒ 26 Sheet(s) of informal drawing(s) (Figs. 1- 25);
- ☒ Transmittal of Information Disclosure Statement, Form PTO-1449 along with 11 references
- ☒ Assignment with Recordation Form Cover Sheet;
- ☒ executed Declaration;
- ☒ Power of Attorney by Assignee; and
- ☒ return postcard

03945 U.S. PTO  
10/691187



| CALCULATION OF FEES |  |                                    |         |                            |                       |           |        |
|---------------------|--|------------------------------------|---------|----------------------------|-----------------------|-----------|--------|
| ITEM                |  | NO. OF CLAIMS FILED<br>MINUS BASE* |         | NO. OF CLAIMS<br>OVER BASE | X SM/LG<br>ENTITY FEE | \$ AMOUNT | \$ FEE |
| A                   | TOTAL CLAIMS FEE   | 31                                 | - 20* = | 11                         | X \$9 or<br>X \$18    | \$198     |        |
| B                   | INDEPENDENT CLAIMS FEE**   | 4                                  | - 3* =  | 1                          | X \$42 or<br>X 84     | \$84      |        |
| C                   | SUBTOTAL - ADDITIONAL CLAIMS FEE (ADD FINAL COLUMN IN LINES A + B)                 |                                    |         |                            |                       |           | 282    |
| D                   | SMALL ENTITY FEE = \$140<br>MULTIPLE-DEPENDENT CLAIMS FEE LARGE ENTITY FEE = \$280 |                                    |         |                            |                       |           |        |
| E                   | SMALL ENTITY FEE = \$375<br>BASIC FEE*LARGE ENTITY FEE = \$750                     |                                    |         |                            |                       |           | 750    |
| F                   | TOTAL FILING FEE (ADD TOTALS FOR LINES C, D, AND E)                                |                                    |         |                            |                       |           | 1,032  |
|                     | **LIST INDEPENDENT CLAIMS: 1, 11, 21 & 31  |                                    |         |                            |                       |           |        |

☒ Please charge my Deposit Account No. 50-0621 the amount of \$1,032. A copy of this letter is enclosed.

☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-0621


☒ Any additional filing fees required under 37 CFR 1.16.

☒ Any patent application processing fees under 37 CFR 1.17.

- X The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 50-0621
- X Any patent application processing fees under 37 CFR 1.17.
- The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).
- X Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,

Date: October 22, 2003

  
\_\_\_\_\_  
Richard K. Yoon  
Reg. No. 42,247

MEDTRONIC MINIMED, INC.  
18000 Devonshire Street  
Northridge, CA 91325-1219  
Telephone: (818) 576-4110  
Facsimile: (818) 576-6202

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|  |   |                         |
|--|---|-------------------------|
| In re Continuation-in-Part Application of: | ) |                         |
| Sheldon B. Moberg et al.                   | ) | Group Art Unit: unknown |
| Serial No.: unknown                        | ) |                         |
| Filed: October 22, 2003                    | ) | Examiner: unknown       |
| For: METHOD AND APPARATUS FOR              | ) |                         |
| DETECTING ERRORS, FLUID                    | ) |                         |
| PRESSURE, AND OCCLUSIONS IN                | ) |                         |
| <u>AN AMBULATORY INFUSION PUMP</u>         | ) |                         |

**CERTIFICATE OF U.S. EXPRESS MAIL**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Express Mail Mailing Label No. EV 038544007 US  
Date of Deposit: October 22, 2003

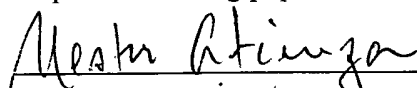
I hereby certify that a 82 page(s) patent application including cover sheet, 48 pages of specification, 31 claims, 1 page abstract, and 26 pages of informal drawings (Figs. 1 - 25), Transmittal letter, Transmittal of Information Disclosure Statement, Form PTO-1449 along with 11 references; Assignment with Recordation Form Cover Sheet, executed Declaration, Power of Attorney by Assignee and return postcard are being deposited using the "Express Mail Post Office to Addressee" service of the United States Postal Service under 37 C.F.R. § 1.10 on the above date and addressed to Mail Stop Patent Application, Commissioner for Patents, Alexandria, VA 22313-1450.

October 22, 2003

date of deposit

Nestor Atienza

name of person mailing papers

  
signature

MEDTRONIC MINIMED, INC.  
18000 Devonshire Street  
Northridge, CA 91325-1219  
Tel.: (818) 576-4110  
Fax: (818) 576-6202